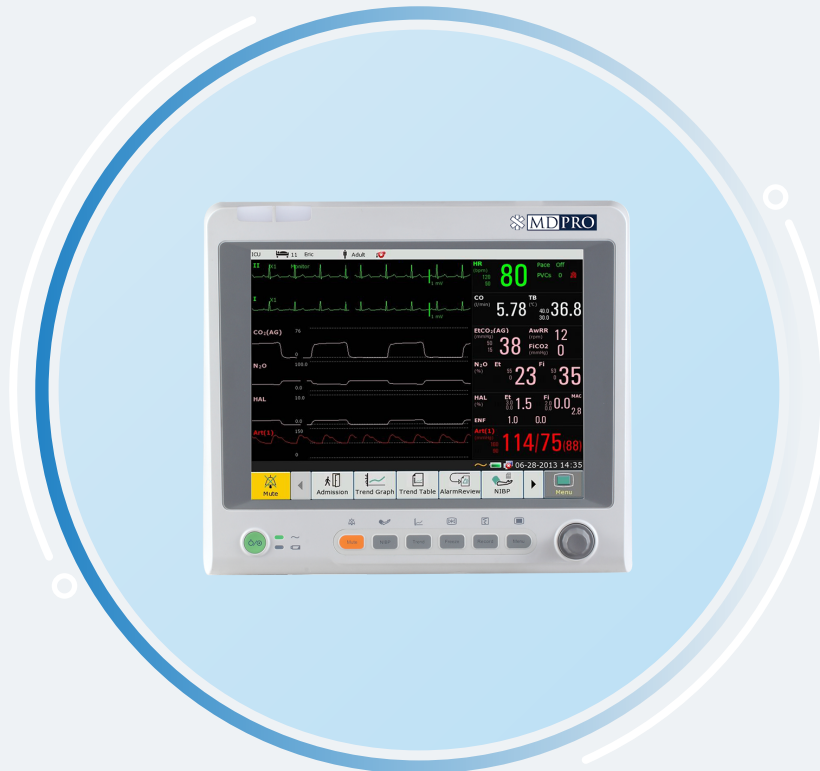


MDPRO4500

Patient Monitor

The feature packed 4500 series is a versatile and reliable device that provides accurate and real-time monitoring of vital signs for patients in various clinical settings. The monitor has a user-friendly interface that allows clinicians to easily navigate and customize the settings according to their preferences.



1200

NIBP
Measurement

120 HR

Trend
Review

12 IN

Screen
Size

120 S

Frozen
Waveform

Features

- 12" high resolution color screen with optional touch screen
- Pacemaker detection
- WiFi included
- Electrosurgical interference proof
- Defibrillation protection and defibrillation synchronization
- Pleth waveform and pitch tone sensitivity
- Water-proof and dust-proof keypad design
- Available with Respironics LofFo, Respironics Capnostat5, or G2 Co2

Standard Parameters: 3/5-lead ECG, HR, RESP, SpO₂, NIBP, PR, 2-TEMP

Standard Features: Shortcut Menu, VGA Output, 120-hour trend storage, Defib Proof, Sync and 2-IBP

Optional Parameters: Nellcor OxiMax™ SpO₂, SunTech NIBP, MDPro G2 CO₂ (Sidestream), Respironics CO₂ (Mainstream and Sidestream), Masimo Anesthesia Gas/O₂

MASIMO Anesthetic Gas/O₂ (Mainstream/Sidestream)

- Unique plug & play module for anesthetic gas monitoring
- No moisture sampling line design suitable for all clinical application
- A stable low flow of 50ml/min

PHASEIN offers both the IRMA™ Mainstream Analyzers and the ISA™ Sidestream Analyzers which have the ability to measure CO₂, N₂O, anesthetic agents (HAL, ENF, ISO, SEV, DES) while providing automatic agent identification. The ISA OR+ module will also measure O₂.



Display Modes



No-fan Design



Pitch Tone



Optional Thermal Recorder



Shortcut Menu

End Tidal Carbon Dioxide Monitoring



G2 CO2 (sidestream)

Superior water trap design for accurate monitoring
iCARBTM algorithm with Intelligent CO2 pseudo wave
identification technology

Respironics CO2 (mainstream/sidestream)

Plug & play module design
Dehumidification tube instead of water trap
Low sampling rate of 50ml/min



Primary Care



ASC



Dental

Configurations

MDPro4500_wifi

Standard Configuration with WiFi

MDPro4500_wifi.P

Standard Configuration with WiFi & Built-in Thermal Printer

MDPro4500_Touch_WiFi

Standard Configuration with Touch Screen & WiFi

MDPro4500_Touch_WiFi.P

Standard Configuration with Touch Screen, WiFi and Built-in Thermal Printer

MDPro4500-G2_wifi

Standard Configuration with internal CO2 & WiFi

MDPro4500-G2_wifi.P

Standard Configuration with internal CO2, WiFi & Built-in Thermal Printer

MDPro4500-G2_Touch_WiFi

Standard Configuration with internal CO2, Touch Screen & WiFi

MDPro4500-G2_Touch_WiFi.P

Standard Configuration with internal CO2, Touch Screen, WiFi & Built-in Thermal Printer

Optional Accessories

SPO2 SENSORS & CABLE

- Adult Hard-Shell SpO2 Finger Sensor (DB9) — **SH1.DB9**
- Silicone Wrap SpO2 Finger Sensor (DB9) — **SH3.DB9**
- Adult "Hood" Soft-tip SpO2 Finger Sensor (DB9) — **SH4.DB9**
- Adult/Pediatric Ear Clip SpO2 Sensor (DB9) — **SH6.DB9**
- Extension Cable (2m, lemo to DB9) — **01.13.210001-13**

CUFFS

- NIBP Cuff, Infant, 10-15cm, reusable — **Cuff.E5**
- NIBP Cuff, Small Child, 13-17cm, reusable — **Cuff.E6**
- NIBP Cuff, Child, 16-21cm, reusable — **Cuff.E7**
- NIBP Cuff, Small Adult, 20.5-28cm, reusable — **Cuff.E8**
- NIBP Cuff, Adult, 27cm-35cm, reusable — **Cuff.E9**
- NIBP Cuff, Large Adult, 34cm-43cm, reusable — **Cuff.E10**

Accessories

STANDARD ACCESSORIES

- Skin Temperature Probe — **01.15.040187**
- EDAN Adult Reusable SpO2 Sensor — **02.01.210119-11**
- Adult Cuff (25cm-35cm) — **Cuff.E9**
- NIBP Tube (3m) with connector — **01.59.036118-11**
- 3-lead ECG integrative Cable, Snap (AHA) — **01.57.471095-10**
- Rechargeable Lithium-Ion Battery (14.8V, 4200mAh) — **01.21.064143**
- Power Cord — **01.13.036106**

G2 ACCESSORIES

- Edan Dewatering Cups for G2 Co2 — **02.01.210520**
- ETCO2 Sampling Cannulas, Adult cannula with 7' CO2 line. Male Luer-Lok Connector — **4000-7-25**
- ETCO 2 Sampling Lines 10' Male to Female) — **4410-10-25**

TROLLEY

- Center Pole Trolley (roll stand) with basket and locking casters (23lbs, 31x24x9) — **MT-207_plate_mdpro4500**

WALL MOUNT

- **IM.WM**

PAPER (Sold in Packs of 20)

- **01.57.78035**

Specifications

Physical Specification

Device Dimension:
328mm(L) × 158mm(W) × 285mm(H)
Weight: < 5.5 kg

Display

Color TFT LCD: 12.1"
Resolution: 800x600
Traces Displayed: Up to 8
Waveforms Displayed: Up to 11
One power LED
Two alarm LED
One charge LED

ECG

Lead Mode:
3-Lead: I, II, III
5-Lead: I, II, III, aVR, aVL, aVF, V
12-Lead: I, II, III, aVR, aVL, aVF,
V1, V2, V3, V4, V5, V6
Waveform Speed: 6.25mm/s, 12.5mm/s,
25mm/s, 50mm/s
ECG HR Range:
Adult: 15-300 bpm
Pediatric / Neonate: 15-350 bpm
Resolution: 1 bpm
Accuracy: +1 bpm or +1%
Filter:
Diagnostic Mode: 0.05 ~ 150 Hz
Monitoring Mode: 0.5 ~ 40 Hz
Surgical Mode: 1~20 Hz
ST-Segment Detection:
Measurement Range: -2.0 mV~2.0 mV

RESP

Method: Trans-thoracic impedance
Operation Mode: Auto/Manual
RR Measurement Range:
Adult: 0~120 rpm
Neonate/Pediatric: 0~150 rpm
Resolution 1 rpm
Apnea Alarm Threshold: 10, 15, 20, 25, 30,
35, 40 s
Band Width: 0.2-2.5 Hz (-3 dB)
Sweep Speed: 6.25, 12.5, 25, 50 mm/s

SpO2

Measurement & Alarm Range:
0~100% (SpO2)
Resolution: 1%;
Accuracy: +2% (70~100%,
Adult/ Pediatric) +3% (70~100%,
Neonate)
PR Measurement:
Resolution: 25-300 bpm
1 bpm
Refresh Rate: 1 second

NIBP

Method: Automatic Oscillometric
Operation Modes: Manual/Automatic/
Continuous
Auto Measurement Time Interval
1, 2, 3, 4, 5, 10, 15, 30, 60, 90,
120, 240, 480 minutes
Measurement Unit: mmHg/kPa
Measurement Types: Systolic, Diastolic,
Mean, Pressure Range:
Adults:

Systolic: 40~270 mmHg
Diastolic: 10~215 mmHg
Mean: 20~235 mmHG

Pediatrics:

Systolic: 40~200 mmHg
Diastolic: 10~100 mmHg
Mean: 20~165 mmHG

Neonates:

Systolic: 40~135 mmHg
Diastolic: 10~100 mmHg
Mean: 20~110 mmHG

Resolution: 1 mmHg

Accuracy:

Max Mean Error: +5 mmHg
Max Standard Deviation: 8 mmHg
PR from NIBP Measurement Range:
40~240 bpm
Resolution: 1 bpm
Accuracy: 3 bpm or 3.5%
SP10:2002

IBP (2 Channels, optional)

Measurement Pressure:
ART, PA, CVP, RAP, LAP, ICP, P1, P2
Measurement Range: -50~300 mmHg
Resolution: 1 mmHg
Accuracy: +2% or +1 mmHg (whichever
is greater, without probe)
Sensitivity: 5µV/V/mmHg
Impedance Range: 300-3000Ω

Philips Respironics CO2 (Optional)

Type: Sidestream/Mainstream
Range: 0~150 mmHg
Accuracy: +2 mmHg 0~40 mmHg,
+5% 41~70 mmHg
+8% 71~100 mmHg
+10% 101~150 mmHg
AwRR Accuracy: +1 rpm

CO2 Sidestream

Range: 0~13% (0-100 mmHg)
Accuracy: +2 mmHg < 5.0% CO2 <6% of
the reading >5.0% CO2
Sample Flow Rate: 100~200 ml/min

Temperature (2 Channels, 1 probe by default)

Measurement/Alarm Range:
Resolution: 0~50 oC (32-122 oF)
Accuracy: 0.1 oC
Channel: +01 oC (without probe)
Dual-channel. Provide T1; T2; ΔT

Thermal Recorder (Optional)

Print Speed: 25, 50 mm/s
Power Supply
AC Power: 100~240 V AC, 50/60 Hz
Battery: 14.8 V Rechargeable Li-ion
Battery